



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	10707109
Filing Date	2003-11-21
First-Named Inventor	Noriyoshi Munenaga
Art Unit	1745
Examiner Name	MERCADO, JULIAN A.
Attorney Docket Number	12619-US-452

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	05-114395	JP		1993-05-07	TATSUO ET AL.		<input type="checkbox"/>
	2	09-035701	JP		1997-02-07	TAMURA HIROSHI		<input type="checkbox"/>
	3							<input type="checkbox"/>



PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT BY
APPLICATION

ATTY. DOCKET NO.:12619-US-452 APPLICATION NO.: 10/707,109

APPLICANT: Munenaga et al.

FILING DATE: November 21, 2003 GROUP 1745

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	05-114395	May 7, 1993	JAPAN			Oct. 23, 1991
	09-035701	Feb. 7, 1997	JAPAN			Jul. 14, 1995

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

EXAMINER	DATE CONSIDERED

EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10707109
Filing Date	2003-11-21
First Named Inventor	Noriyoshi Munenaga
Art Unit	1745
Examiner Name	MERCADO, JULIAN A.
Attorney Docket Number	12619-US-452

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	<i>[Signature]</i>	Date Considered	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> <p>¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.</p>			

MAR-01-2007 THU 17:05

FAX NO.

P. 03/22

RECEIVED
CENTRAL FAX CENTER

MAR 01 2007

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICATION		ATTY. DOCKET NO.:12619-US-452	APPLICATION NO.: 10/707,109
		APPLICANT: Mudenaga et al.	
		FILING DATE: November 21, 2003	GROUP 1745

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	05-114395	May 7, 1993	JAPAN			Oct. 23, 1991
	09-035701	Feb. 7, 1997	JAPAN			Jul. 14, 1995

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED.

INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

EXAMINER: *Julian Mecca* DATE CONSIDERED *4/10/07*

MAR-01-2007 THU 17:06

FAX NO.

RECEIVED
CENTRAL FAX CENTER

P. 05/22

MAR 01 2007

PTO/SAB/DB (08-03)

Approved for use through 07/31/2006. OMB 0251-0051
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10707109
Filing Date	2003-11-21
First-Named Inventor	Noriyoshi Munenaga
Art Unit	1745
Examiner Name	MERCADO, JULIAN A.
Attorney Docket Number	12619-US-452

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	Ts
	1	05-114395	JP		1993-05-07	TATSUO ET AL.		<input type="checkbox"/>
	2	09-035701	JP		1997-02-07	TAMURA HIROSHI		<input type="checkbox"/>
	3							<input type="checkbox"/>

EFS Web 2.0

MAR-01-2007 THU 17:05

FAX NO.

P. 03/22

**RECEIVED
CENTRAL FAX CENTER**

MAR 01 2007

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT BY
APPLICATION

ATTY. DOCKET NO.:12619-US-452	APPLICATION NO.: 10/707,109
APPLICANT: Mudenaga et al.	
FILING DATE: November 21, 2003	GROUP 1745

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	05-114395	May 7, 1993	JAPAN			Oct. 23, 1991
	09-035701	Feb. 7, 1997	JAPAN			Jul. 14, 1995

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

MAR-01-2007 THU 17:06

RECEIVED
CENTRAL FAX CENTER

FAX NO.

MAR 01 2007

P. 06/22

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10707109
Filing Date	2003-11-21
First Named Inventor	Noriyoshi Munenaga
Art Unit	1745
Examiner Name	MERCADO, JULIAN A.
Attorney Docket Number	12610-US-452

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	Ts
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	Date Considered
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

¹ See Kind Codes of USPTO Patent Documents at www.uspto.gov. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

EFS Web 2.0

FEB-01-2007 THU 15:27

RECEIVED
CENTRAL FAX CENTER

P. 03

FEB 01 2007

PTO/58A (08-03)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10707109
	Filing Date	2003-11-21
	First Named Inventor	Noriyoshi Munenaga
	Art Unit	1745
	Examiner Name	MERCADO, JULIAN A.
	Attorney Docket Number	12619-US-452

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
<i>M</i>	1	05-114395	JP		1993-05-07	TATSUO ET AL.		<input type="checkbox"/>
<i>M</i>	2	09-035701	JP		1997-02-07	TAMURA HIROSHI		<input type="checkbox"/>
	3							<input type="checkbox"/>

EFS Web 2.0

FEB-01-2007 THU 15:28

FAX NO.

**RECEIVED
CENTRAL FAX CENTER**
04
FEB 01 2007

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10707109
Filing Date	2003-11-21
First Named Inventor	Noriyoshi Munenaga
Art Unit	1745
Examiner Name	MERCADO, JULIAN A.
Attorney Docket Number	12619-US-452

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T6
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature Julian Mercado Date Considered 2/14/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.